

Claims

Claim 1-13. (previously cancelled)

Claim 14. (currently amended) A method for creating a consumer's shopping list prior to entering a store, comprising the steps of:

(a) using a portable barcode scanner; ~~scanner~~, comprising:

(i) a processor;

(ii) ~~a memory that stores product information under the control of said processor;~~

(iii) ~~logic that obtains a product barcode;~~

(iv) ~~logic that obtains a product coupon barcode;~~

(v) ~~logic that indicates that said product barcode or said product coupon barcode has been scanned and stored in said memory;~~

(vi) ~~logic that indicates the number of said product barcodes and said product coupon barcodes stored in said memory;~~

(vii) ~~logic that indicates said memory is full;~~

(viii) ~~logic that creates a query based on said product barcode or said product coupon barcode;~~

- ~~(ix) logic that transmits said product barcode or said product coupon barcode to one or more consumer's first computers over a first network infrastructure;~~
- ~~(x) logic that indicates that said product barcode or said product coupon barcode has been transmitted to one or more consumer's first computers over said first network infrastructure;~~
- ~~(xi) logic that receives said product barcode or said product coupon barcode associated information from one or more consumer's first computers over said first network infrastructure;~~
- ~~(xii) logic that displays said product barcode or said product coupon barcode associated information on a display, received from one or more consumer's first computers over said first network infrastructure;~~
- ~~(xiii) wherein said product barcode associated information relates to at least one of product description, product cost, date and time on which said product barcode was scanned, and a required quantity of said product; and~~
- ~~(xiv) wherein said product coupon barcode associated information relates to at least one of product description, product cost, date and time on which said product coupon barcode was scanned, and a required quantity of said product;~~
- ~~(e) scanning~~ (b) scanning a needed product barcode or a needed product coupon barcode using said portable barcode scanner;
- ~~(b) using~~ (c) using one or more said consumer's first computers comprising the sub-steps of: computers, each said first computer comprising:
 - ~~(i) an associated communications interface channel to receive~~ receiving data from, and ~~to transmit~~ transmitting data to, said portable barcode scanner over said

consumer's first network infrastructure;

(ii) ~~logic that stores~~ storing said data as shopping list information ~~under the~~ under control of said product barcode or said product coupon barcode, in a memory means;

(iii) ~~logic that communicates~~ communicating with a second computer system, over a second network infrastructure to request and to receive ~~said product~~ associated additional shopping list information based on said product barcode or said product coupon barcode;

(iv) ~~logic that keeps track of the~~ tracking frequency that said product barcode ~~or said product coupon barcode~~ has been received from said portable barcode scanner over said first network infrastructure;

(v) ~~logic that provides~~ (v) providing a specific notification of ~~repetitively~~ repetitive scanned said product barcodes ~~or said product coupon barcodes~~ without repetitively needing ~~said continued~~ a continuously scanned entry of said product barcodes ~~or said product coupon barcodes~~, barcodes, said continuously scanned entry occurring at varying times;

(vi) ~~logic that displays~~ (vi) displaying a multiplicity of product barcodes or said product coupon barcodes, together with said ~~product associated~~ additional shopping list information, on a ~~consumer's~~ said consumer's first computer display;

(vii) ~~logic that indicates~~ (vii) indicating on said first computer display that said consumer has obtained said shopping list information in-hand from said consumer's first computer; ~~[and]]~~

~~(ix) logic that automatically adds~~ (viii) adding automatically one or more said
repetitively scanned product barcodes to said shopping list on said ~~determined~~
tracking frequency; and

(ix) indicating that said data transmitted to and said data received from said
portable barcode scanner has been successfully sent and received;

(d) transferring said scanned product barcode or said product coupon barcode to said
consumer's first computer, over said first network infrastructure;

(e) storing said transferred product barcode or said product coupon barcode in a shopping
list database on said consumer's first computer, said shopping list database includes other
product information, wherein said other product information includes: a product
description, a product cost, a date and time on which said product barcode or said product
coupon barcode was scanned and an indicator for a required quantity of said product;

(f) obtaining in-hand said stored shopping list from said consumer's first computer in
order to go to a first store and purchase products listed on said shopping list, said
obtaining in-hand is selected from the group comprising:

- (i) printing said stored shopping list on a printing device attached to said
consumer's first ~~consumer's~~ computer,
- (ii) transferring said stored shopping list to a consumer's portable computer
device, and
- (iii) using said portable barcode scanner;

(g) sending optionally said shopping list from said consumer's first computer to an
optional second store connected to said second network infrastructure, said second store
shipping products listed on said shopping list to said consumer, thereby not requiring said
consumer to shop in-store for said products; and

(h) sending optionally said shopping list from said consumer's first computer to an optional second store connected to said second network infrastructure, said second store making said products listed on said shopping list available to said consumer for pick up, thereby not requiring said consumer to shop in-store for said products.

Claim 15. (currently amended) The portable barcode scanner of claim 14, wherein said first network infrastructure is a ~~wireless link~~, wireless link between said portable barcode scanner and said consumer's first computer.

Claim 16. (currently amended) The portable barcode scanner of claim 15, wherein said wireless link is selected from the group comprising: an infrared link and a ~~Bluetooth~~ Bluetooth-enabled radio-frequency link.

Claim 17. (currently amended) The portable barcode scanner of claim 14, wherein said first network infrastructure is a wired link between said portable barcode scanner and said consumer's first computer.

Claim 18. (previously presented) The portable barcode scanner of claim 17, wherein said wired link is selected from the group comprising: an RS-232 link, a USB link, a parallel link and an IEEE 1394 link.

Claim 19. (previously presented) The first computer of claim 14 is selected from the group comprising: a personal computer, a personal digital assistant, an internet appliance, and a cell phone.

Claim 20. (previously presented) The first computer of claim 14, wherein said second network infrastructure is the internet.

Claims 21 – 33 (previously cancelled)

Claim 34. (currently amended) The ~~said portable~~ portable computer device of claim 14 is selected from the group consisting: a personal digital assistant and a cell phone.

Claim 35. (previously presented) The shopping list of claim 14 is selected from the group comprising: beauty aids, books, clothing, computer hardware, computer software, computer supplies, drugs, footwear, groceries, gifts, health aids and music.

Claim 36. (currently amended) A method for creating a consumer's shopping list prior to entering a store, comprising the steps of:

(a) using a portable barcode scanner; ~~scanner, comprising:~~

~~(i) a processor;~~

~~(ii) a memory that stores product information under the control of said processor;~~

~~(iii) logic that obtains a product barcode;~~

~~(iv) logic that obtains a product coupon barcode;~~

~~(v) logic that indicates that said product barcode or said product coupon barcode has been scanned and stored in said memory;~~

~~(vi) logic that indicates the number of said product barcodes and said product coupon barcodes stored in said memory;~~

~~(vii) logic that indicates said memory is full;~~

~~(viii) logic that creates a query based on said product barcode or said product coupon barcode;~~

~~(ix) logic that transmits said product barcode or said product coupon barcode to one or more consumer's first computers over a first network infrastructure;~~

~~(x) logic that indicates that said product barcode or said product coupon barcode has been transmitted to one or more consumer's first computers over said first network infrastructure;~~

~~(xi) logic that receives said product barcode or said product coupon barcode associated information from one or more consumer's first computers over said first network infrastructure;~~

~~(xii) logic that displays said product barcode or said product coupon barcode associated information on a display, received from one or more consumer's first computers over said first network infrastructure;~~

~~(xiii) wherein said product barcode associated information relates to at least one of product description, product cost, date and time on which said product barcode was scanned, and a required quantity of said product; and~~

~~(xiv) wherein said product coupon barcode associated information relates to at least one of product description, product cost, date and time on which said product coupon barcode was scanned, and a required quantity of said product;~~

~~(e) entering~~ (b) entering manually a needed product barcode or a needed product coupon barcode using said portable barcode scanner;

~~(b) using~~ (c) using one or more said consumer's first computers comprising the sub-steps of: computers, each said first computer comprising;

~~(i) an associated communications interface channel to receive~~ receiving data from, and to ~~transmit~~ transmitting data to, said portable barcode scanner over said

consumer's first network infrastructure;

(ii) ~~logic that stores~~ storing said data as shopping list information ~~under the~~ under control of said product barcode or said product coupon barcode, in a memory means;

(iii) ~~logic that communicates~~ communicating with a second computer system, over a second network infrastructure to request and to receive ~~said product~~ associated additional shopping list information based on said product barcode or said product coupon barcode;

(iv) ~~logic that keeps to track of the~~ tracking frequency that said product barcode or ~~said product coupon barcode~~ has been received from said portable barcode scanner over said first network infrastructure;

(v) ~~logic that provides~~ (v) providing a specific notification of ~~repetitively~~ repetitive manual entry of scanned said product barcodes or ~~said product coupon barcodes~~ without repetitively needing ~~said continued~~ a continuously manual scanned entry of said product barcodes or said product coupon barcodes barcodes, said continuously manual entry occurring at varying times;

(vi) ~~logic that displays~~ (vi) displaying a multiplicity of product barcodes or said product coupon barcodes, together with said ~~product associated~~ additional shopping list information, on a ~~consumer's~~ consumer's first computer display;

(vii) ~~logic that indicates~~ (vii) indicating on said first computer display that said consumer has obtained said shopping list information in-hand from said consumer's first computer; and

~~(ix) logic that automatically adds~~ (viii) adding automatically one or more said
repetitively ~~scanned~~ manually entered product barcodes to said shopping list on
said ~~determined~~ tracking frequency; and

(ix) indicating on said first computer display that said data transmitted to and said
data received from said portable barcode scanner has been successfully sent and
received;

(d) transferring said ~~scanned~~ manually entered product barcode or said product coupon
barcode to said consumer's first computer, over said first network infrastructure;

(e) storing said transferred product barcode or said product coupon barcode in a shopping
list database on said consumer's first computer, said shopping list database includes other
product information, wherein said other product information includes: a product
description, a product cost, a date and time on which said product barcode or said product
coupon barcode was ~~scanned~~ manually entered and an indicator for a required quantity
of said product;

(f) obtaining in-hand said stored shopping list from said consumer's first computer in
order to go to a first store and purchase products listed on said shopping list, said
obtaining in-hand is selected from the group comprising:

- (i) printing said stored shopping list on a printing device attached to said
consumer's first ~~consumer's~~ computer,
- (ii) transferring said stored shopping list to a consumer's portable computer
device, and
- (iii) using said portable barcode scanner;

(g) sending optionally said shopping list from said consumer's first computer to an
optional second store connected to said second network infrastructure, said second store
shipping products listed on said shopping list to said consumer, thereby not requiring said

consumer to shop in-store for said products; and

(h) sending optionally said shopping list from said consumer's first computer to an optional second store connected to said second network infrastructure, said second store making said products listed on said shopping list available to said consumer for pick up, thereby not requiring said consumer to shop in-store for said products.

Claim 37. (currently amended) The portable barcode scanner of claim 36, wherein said first network infrastructure is a ~~wireless link~~ wireless link between said portable barcode scanner and said consumer's first computer.

Claim 38. (currently amended) The portable barcode scanner of claim 37, wherein said wireless link is selected from the group comprising: an infrared link and a ~~Bluetooth~~ Bluetooth-enabled radio-frequency link.

Claim 39. (currently amended) The portable barcode scanner of claim 36, wherein said first network infrastructure is a wired link between said portable barcode scanner and said consumer's first computer.

Claim 40. (previously presented) The portable barcode scanner of claim 39, wherein said wired link is selected from the group comprising: an RS-232 link, a USB link, a parallel link and an IEEE 1394 link.

Claim 41. (previously presented) The first computer of claim 36 is selected from the group comprising: a personal computer, a personal digital assistant, an internet appliance, and a cell phone.

Claim 42. (previously presented) The first computer of claim 36, wherein said second network infrastructure is the internet.

Claim 43. (currently amended) The ~~said-portable~~ portable computer device of claim 36 is selected from the group consisting: a personal digital assistant and a cell phone.

Claim 44. (previously presented) The shopping list of claim 36 is selected from the group comprising: beauty aids, books, clothing, computer hardware, computer software, computer supplies, drugs, footwear, groceries, gifts, health aids and music.